

IN THE CLAIMS

Claims 1-13 and 15 were previously cancelled. Claims 14, 20, 23-25, 28 and 29 are currently amended. Claims 26 and 27 are currently cancelled. Claims 16-19, 21 and 22 are carried forward, all as follows.

Claims 1-13 (cancelled)

14. (Currently Amended) A device for inspecting a printed product including image informationmaterial comprising:

a single sensor device;

an illumination device;

at least first and second light sources in said illumination device;

a first inspection light emission of a first color emitted by said first light source_i[, and]

a second inspection light emission of a second color emitted by said second light source, said first inspection light color and said second inspection light color[[s]] being different from each other;

at least first and second separate color channels in said single sensor device, each of said at least first and second separate color channels each being matched to a separate one of said first and second inspection light emissions from said first and second light sources, said at least first and second separate color channels each being adapted to receive a separate one of said first and second inspection light

emissions that are ~~being at least~~ one of passed through, and reflected by said printed product including said image information, each of said at least first and second separate color channels in said single sensor being adapted the material and to record a separate one of said first and second inspection light emissions ~~together~~; and
an evaluation device adapted to separately process said image information content of each of said at least first and second inspection light emissions received at said separate ones of said ~~least~~ first and second color channels in said single sensor device.

15. (Canceled)

16. (Previously Presented) The device of claim 14 wherein each of said at least first and second inspection light emissions are a substantially monochrome light color.

17. (Previously Presented) The device of claim 14 wherein at least one of

(a) said emission's color and

(b) said emission's bandwidth

of each said inspection light is matched to a transmission curve of said sensor device.

18. (Previously Presented) The device of claim 14 wherein said sensor device is a color line camera.

19. (Previously Presented) The device of claim 14 wherein said sensor device is a

CCD camera.

20. (Currently Amended) The device of claim 14 wherein said sensor device has first, second and third separate color channels, wherein said illumination device has first, second and third light sources and wherein each of said first, second and third light sources emits a separate one of first, second and third inspection light emissions, which first, second and third inspection light emissions are matched to properties of said first, second and third separate color channels.

21. (Previously Presented) The device of claim 14 wherein said at least first and second light source are arranged at first and second different positions relative to the material.

22. (Previously Presented) The device of claim 21 wherein said at least first and second light sources are each displaceable.

23. (Currently Amended) The device of claim 14 wherein at least one of said at least first and second inspection light emissions passes through said printed product~~the material~~ and another of said at least first and second inspection light emissions is reflected by said printed product~~the material~~.

24. (Currently Amended) The device of claim 14 wherein at least one of said at least first and second inspection light emissions is reflected by said printed product~~the~~

~~material~~ at a first angle and at least a second one of said at least first and second inspection light emissions is reflected by said printed product~~the material~~ at a second angle.

25. (Currently Amended) A method for inspecting a printed product including image information~~material~~ including:

providing a single sensor device;

providing an illumination device;

providing at least first, second and third light sources in said illumination device;

directing first, second and third inspection light emissions from said first, second and third light sources, each of said first, second and third inspection light emissions having a separate one of first, second and third differently colored light emissions;

providing at least first, second and third separate color channels in said single sensor device;

matching said at least first, second and third separate color channels in said single sensing device~~and being matched~~ to said first, second, and third inspection light emissions;

providing an evaluation unit for separately evaluating each of said first, second and third separate color channels of said single sensor device;

reflecting a first one of said inspection light emissions, at a surface of said

~~printed product-the material~~, from said first light source to said first separate color channel of said single sensor device;

reflecting a second one of said inspection light emissions, at a surface of ~~said printed product-the material~~, from said second separate light source to said second separate color channel of said single sensor device;

passing a third one of said inspection light emissions through said printed product-the material from said third light source to said third separate color channel of said single sensor device; and

using said first and said second reflected inspection light emissions and said third passed through inspection light emission for simultaneously and separately performing two incident light inspections and one transmitted light inspection on said printed product including image information-material.

26. (Cancelled)

27. (Cancelled)

28. (Currently Amended) An optical quality sensing system for inspecting a printed product including image information and-material having a first surface opposing a second surface, said sensing system comprising:

(a) a support adapted to orient and position said printed product-materials for inspection of said image information, said support including a light transmissive region or aperture;

(b) a first inspection light source emitting light having a first color component, said first inspection light source being and positioned to emit first light emissions onto said printed product's material's first surface;

(c) a second inspection light source emitting light having a second color component, said second inspection light source being and positioned to emit second light emissions onto said printed product's material's first surface;

(d) a third inspection light source emitting light having a third color component, said third inspection light source being and positioned to emit third light emissions through said support's light transmissive region and onto said printed product's material's second surface;

(e) a single light sensor adapted to separately sense and evaluate said first, second and third light emissions in said first color component, said second color component and said third color component, said single light sensor being and positioned proximate said printed product's material's first surface and having first, second and third color channels.[[;]][[f]] wherein said first color component, said second color component and said third color component may be combined or superimposed to generate a composite light emission having any color in the visible light spectrum, including white light;

(f)[[g]] said single light sensor being configured to receive said first light[['s]] emissions as reflected from said printed product's material's first surface, and to generate a first light inspection signal in response thereto;

(g)[[h]] said single light sensor being configured to receive said second light[['s]] emissions as reflected from said printed product's material's first surface, and to

generate a second light inspection signal in response thereto; and

(h) said light sensor being configured to receive said third light emissions as transmitted through said printed product's material's and emitted from said first surface, and to generate a third light inspection signal in response thereto.

29. (Currently Amended) The optical quality sensing system for inspecting printed material of claim 28, wherein said ~~wherein said~~ first color component is selected from a group comprising red, green and blue.